

LIST OF CURRENT CLAIMS

1. (Previously Amended) Implant for osteosynthesis device particularly of the backbone, comprising a bone anchoring device topped by a fixing head constituted by two lateral branches forming an open U and designed to receive a linking rod, and a threaded nut adapted to screw on corresponding threaded parts produced on the partially cylindrical outer walls of the lateral branches of the fixing head, wherein the nut comprises, a plate mounted in free rotation in and extending diametrically across an open cylindrical inner part of the nut, the plate having a width such that two lateral clearances are defined on either side of said plate in order to allow passage of the branches of the fixing head inside the nut whereby the plate is allowed to slide between the branches.

2. (Previously Amended) Implant for osteosynthesis device according to claim 1, wherein said two lateral clearances are configured to permit the insertion of two pins of an auxiliary tool for gripping the nut in order to facilitate assembly thereof on the fixing head.

3. (Currently Amended) Implant for osteosynthesis device according to claim 1, ~~characterized in that~~ wherein the fixing head comprises two grooves made opposite on the inner walls of the U-shaped branches in order to ensure, after assembly of the rod, the guiding of pins of a tool on the fixing head and a blind indexing of the plate between the U-shaped branches of said head, before and during clamping of the nut which supports it, via the same tool.

4. (Currently Amended) Implant for osteosynthesis device according to claim 3, ~~characterized in that~~ wherein the plate comprises, on its lateral edges, two notches defining, in complement and in cooperation with the guiding grooves of the U-shaped branches of the fixing head, housings intended for the introduction and positioning of pins of a tool.

5. (Currently Amended) Implant for osteosynthesis device according to claim 4, ~~characterized in that~~ wherein the notches form, in the edges of the plate, quadrangular baffles intended for housing the extensions of the pins of a tool.

6. (Currently Amended) Implant for osteosynthesis device according to claim 4, ~~characterized in that~~ wherein the surface of the plate is concave and congruent of the surface of the cylindrical rod and knurled for a better adherence on said rod.

7. (Cancelled)